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(54) KERATIN PROTEIN ARTICLE MOLDED BY HIGH-PRESSURE MOLDING

(57)Abstract:

PURPOSE: To obtain a keratin protein molded article having excellent toughness, engraving suitability and feeling to finger and useful as artificial ivory, artificial tortoise shell, stamp material, etc., by compounding powdery keratin, etc., with a specific amount of a binder and molding the obtained composition under high pressure.

CONSTITUTION: The keratin protein molded article is produced by the high-pressure molding of a composition composed of (A) preferably 70-95wt.% of powdery or fibrous keratin having an average size of $\geq 0.1\mu\text{m}$, e.g. hoof, horn, beak, claw, scale, carapace, fwr, feather, wool or hair of birds and animals and (B) <50wt.% in total (based on the total composition) of arbitrary additives such as a binder (e.g. partially decomposed protein or gelatin), a cross-linking agent (e.g. epoxy resin), etc.

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